

Program **E**xecutive **O**ffice
Simulation, **T**Raining and **I**nstrumentation

*International Activities
Overview*

*Presented by
Mr. John F. Daniele
Chief, Defense Exports
and
Security Cooperation*

March , 2003



*Leading 21st Century
Simulation Solutions*

PEO-STRI's Global Impact

Across the Combatant Commands / Supporting 50 Nations

- Delivering Military Articles and Services
- Processing Requests for Technology Transfer and Industry Export Licenses
- Develop and Implement International Cooperative Programs
- Integrating Live, Virtual, Constructive Simulation Globally
- Partnership with US Joint Forces Command

FY02 Highlights

- New Business - \$85.7M
- Equipment Deliveries - \$33M
- Recoupment of WCLS \$.9M
- Export Licenses - 189
- New Int'l Co-OP Programs - 4



Utilizing 38 Different Defense Contractors

PEO - STRI Security Cooperation Impact

**50
Nations**

PEO-STRI

LOCATIONS

- Argentina
- Australia
- Bahrain
- Belgium
- Bosnia
- Botswana
- Canada
- Colombia
- Croatia

- Czech Republic
- Denmark
- Egypt
- France
- Georgia
- Germany
- Greece
- Indonesia
- Israel
- Italy
- Japan
- Jordan
- Korea

- Kuwait
- Luxembourg (NAMSA)
- Malaysia
- Mexico
- Morocco
- Netherlands
- New Zealand
- Nigeria
- Norway
- Oman
- Poland
- Portugal
- Romania
- Saudi Arabia
- Saudi Arabia National Guard

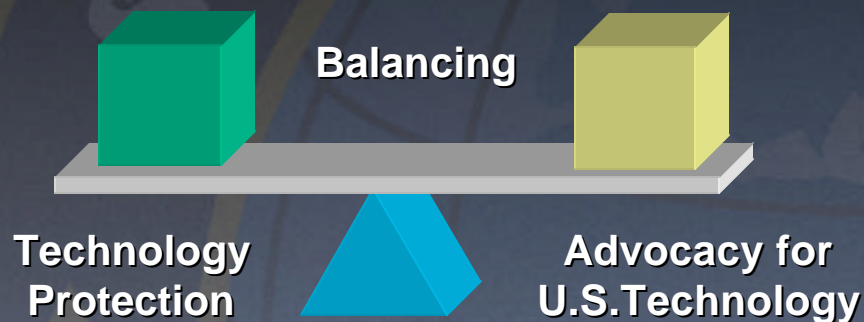
- Singapore
- Slovak Republic
- Slovenia
- Spain
- Sweden
- Switzerland
- Taiwan
- Thailand
- Tunisia
- Turkey
- United Arab Emirates
- United Kingdom
- Uzbekistan
- Venezuela



Technology Transfer & Export Licensing

Goals

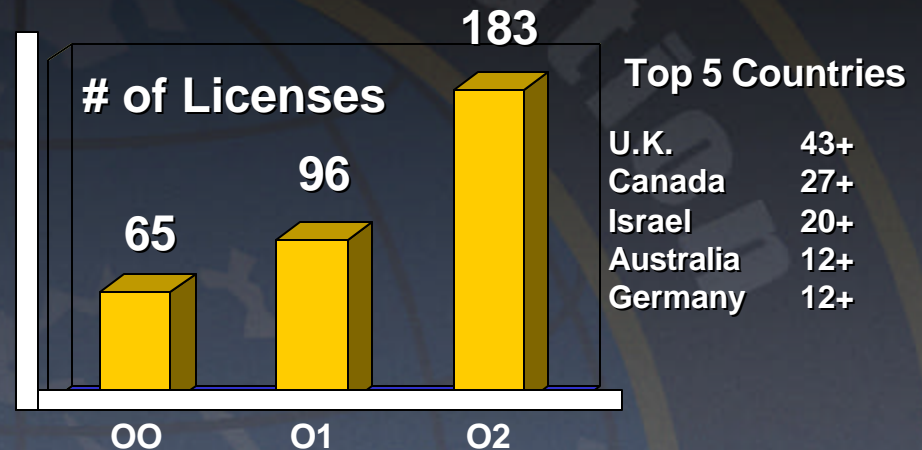
- Protect U.S. Warfighter
- Maintain Technology Advantage
- Support U.S. Industries Base



Owner: Department of State
Executive Agent: Defense Threat Reduction Agency
Executor: MILDEPS/ASAALT & AMC (Army)
Other: Department of Commerce



PEO-STRI Trends



Critical Factors

- Processing Time
- Commercial, Military, Dual Use
- Missile Technology Control Regime
- Transfer of Tech Data
- Marketing vs Sale

International Cooperative Programs

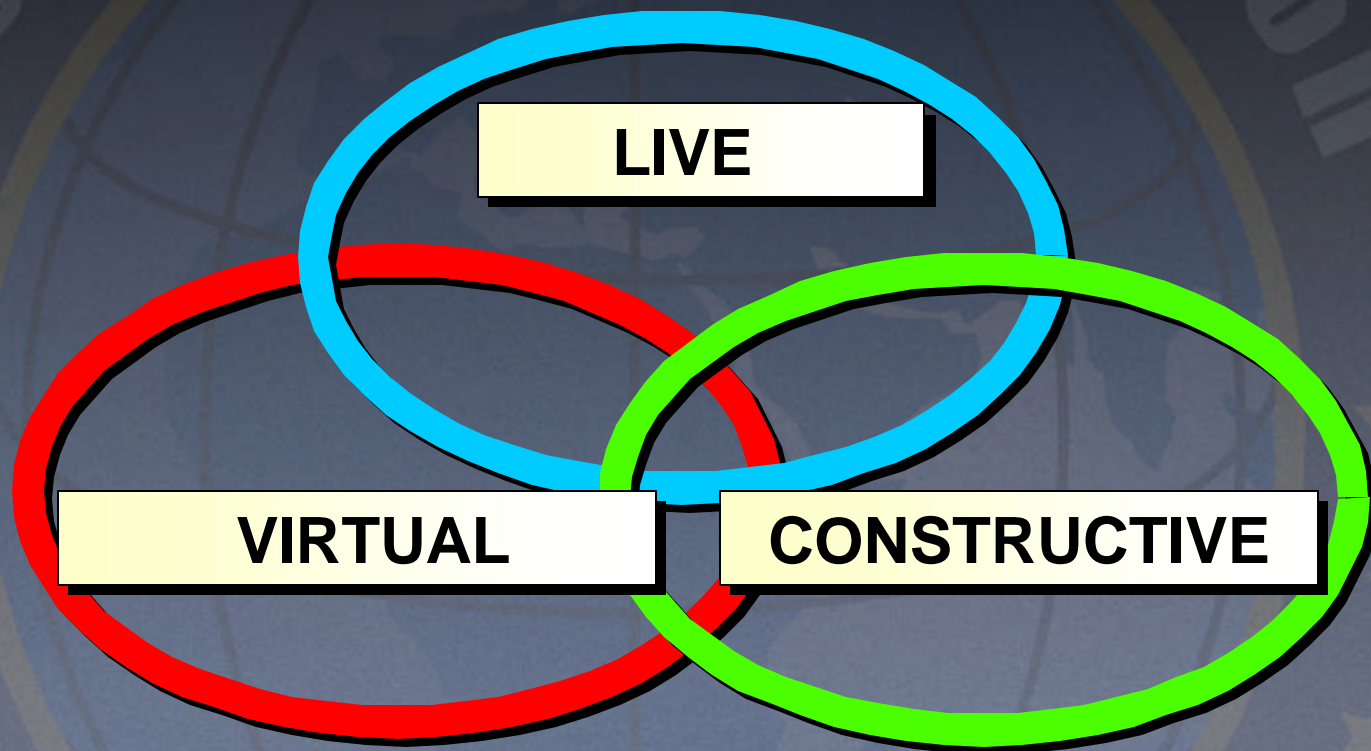
Country	Type	Number	Title	Expires
Established				
France	DEA	FR-1188	Training Device and Simulation Technology	Feb-03
Germany	DEA	GE-1468	Training Simulators and Simulations	Sep-03
Germany	FLO	GE-0009	German Liaison (Manegold)	Jul 06
Italy	FLO	IT-0317	Italian Liaison (de Fonzo)	Oct-03
Netherlands	DEA	TN-1529	Advanced Distributed Simulation Technology	Dec-04
United Kingdom	DEA	UK-1543	Modeling and Simulation Technologies	Aug-02
United Kingdom	FLO	UK-0293	UK Liaison (Gallier)	Mar 04
United Kingdom	MOU	UK-0114	Cooperation in the Development of CATT	05-Dec-06
Singapore	IEA	SN-1584	Modeling & Simulation	Feb 07
Sweden	DEA	SW-1605	Modeling and Simulation Technologies	18-Apr-06
Proposed				
Australia	PA	TBD	OneSAF/Computer Generated Forces	TBD
France	PA	FR-0088	Course of Action Analysis Simulation	TBD
Germany	PA	GE-0083	WARSIM GUPPIS	TBD
Singapore	PA	TBD	Co-Development of Gaming Technology	TBD
United Kingdom	PA	UK-0080	Computer Generated Forces	TBD
Discussed				
Canada	PA	TBD	LAV Virtual Target	TBD
Japan	MOU	TBD	Joint Simulations	TBD
Korea	MOA	TBD	Joint Simulations	TBD
Singapore	PA	TBD	CGF	TBD



International Agreements in Red Anticipated to Transition to RDE Command - Orlando

Through the Security Cooperation Process...

**PEO-STRI Assists our International
Partners to Integrate the Three Domains of Simulation**



PEO - STRI Supports Readiness & Engagement Activities through LIVE Training



Examples:

- MILES
- TARGETS
- CMTC Exercises



... Actual Soldiers and Equipment Operating Together, Often on Instrumented Ranges.

Greece	
Indonesia	
Israel	
Italy	
Japan	
Jordan	
Korea	
Kuwait	
Morocco	
Netherlands	
Norway	
Portugal	
Romania	
S.A.N.G.	
Saudi Arabia	
Sweden	
Switzerland	
Taiwan	
Tunisia	
Turkey	
UAE	
Singapore	
Belgium	
Canada	
Croatia	
Czech Republic	
Denmark	
Egypt	
Germany	

PEO - STRI Supports Readiness & Engagement Activities through VIRTUAL Training

Examples:

- AGTS
- CMS
- COFTs
- VIGS
- TDT
- GUARDFIST
- EST
- **Flight Simulator Usage**



... Manned Simulators Interacting within a Synthetic Environment, in Many Cases with other Simulators.



Argentina
Australia
Bahrain
Belgium
Canada
Colombia
Czech Republic
Denmark
Egypt
Georgia
Greece
Israel
Italy
Jordan
Kuwait
Malaysia
Mexico
NAMSA
Netherlands
New Zealand
Oman
Portugal
S.A.N.G.
Saudi Arabia
Spain
Taiwan
Thailand
Tunisia
Turkey
UAE
United Kingdom
Venezuela

PEO - STRI Supports Readiness & Engagement Activities through **CONSTRUCTIVE** Training

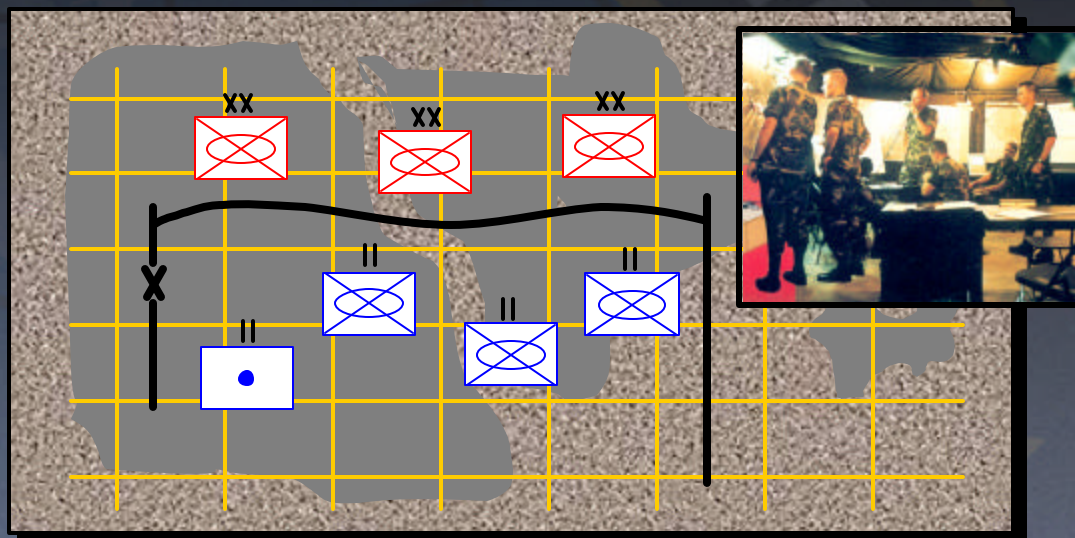
Examples:

- JANUS
- BBS
- CBS
- MODSAF/OneSAF
- SATIDS
- SPECTRUM
- JCATS/JTLS

... Constructive Simulations Consist of Wargames and Models, and are the Mainstay of the Combat Development Process.

Contributes to Developing Standard Operating Procedures

- Coordinate Force / Unit Movements
- Passage of Lines Procedures
- Daily Reports Formats
- Rehearse Non-Combatant Evacuations



Current:

Argentina
Australia
Bosnia
Botswana
Canada
Croatia
Czech Republic
France

Germany
Greece
Jordan
Korea
Morocco
NATOC3A
New Zealand
Nigeria

Poland
Romania
Saudi Arabia
Singapore
Slovak Republic
Slovenia
Sweden
Turkey
Uzbekistan

Potential:

Bahrain
Belgium
Bulgaria
Chile
Colombia
Egypt
Hungary
Ireland

Japan
Mexico
Oman
SANG
Tunisia
Ukraine
Uruguay



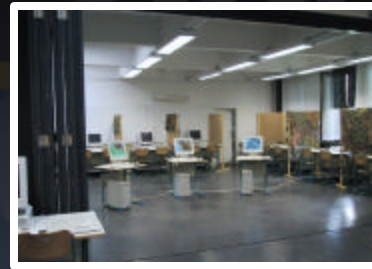
Coalition Training with Simulation



Argentina



Slovak Republic



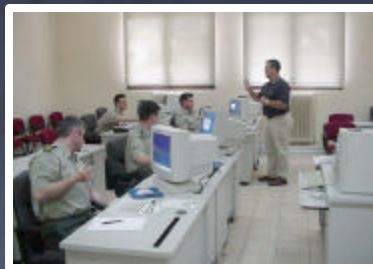
Slovenia



Morocco



Croatia



Greece



Czech Republic



Jordan



Nigeria



Program **E**xecutive **O**ffice
Simulation, **T**Raining and **I**nstrumentation



USJFCOM / PEO STRI
FMS Activity Overview

Presented by
Mr. John F. Daniele
Dir, Defense Exports and
Security Cooperation

Leading 21st Century Simulation Solutions



Partnerships



- MOA between USASAC, USJFCOM / JWFC and PEO-STRI Covering FMS for USJFCOM / JWFC Simulations (Signed 24 Jan 01)

(Establishes PEO-STRI as Surrogate FMS Office for Joint Simulations)



- USJFCOM / NAVAIR -Orlando / AF(ESC) / MSIAC / PEO-STRI Enterprise Team



Joint Simulation Foreign Military Sales Activity

MOA between USJFCOM / JWFC, USASAC and PEO STRI signed 21 Jan 2001

- **Formal FMS Actions TO Date :**

- Canada	(CN-ZTO)	- Fielded Mar 02	(JCATS)
- Romania	(RO-UAS)	- Fielded Jun 02	(JCATS)
- Nigeria	(NI-UBA)	- Fielded Oct 02	(JCATS)
- Singapore	(SN-VCC)	- Fielded Nov 02	(JCATS)
- Poland	(PL-UAL)	- Implemented May 02	(JTLS)
- Slovenia	(S3-UAF)	- Implemented Aug 02	(JTLS)
- Turkey	(TK-VAV)	- Implemented Aug 02	(JCATS)
- Tunisia	(TU-URB)	- Pending	(JCATS)
- Oman	(MU-UFV)	- Pending	(TBD)
- Ukraine	(UP-TBD)	- Under Development	(JCATS)
- Greece	(GR-PMX)	- Planning Case	(JCATS)
- Colombia	(CO-PRH)	- Planning Case	(JCATS)
- Saudi Arabia	(SR-PRY)	- Planning Case	(JCATS)

- **Other Requests For Information:**

- Kuwait	(JCATS)
- Bulgaria	(JCATS/JTLS)
- Finland	(JCATS)
- France	(JCATS)
- SANG	(JCATS)
- Bahrain	(JCATS)

**Estimated Value of
FMS Actions to Date:**

\$ 9.6M

As of 19 Feb 2003



Program Executive Office
Simulation, Training and Instrumentation



U.S. Army PEO-STRI
Strategic Product Plan framework for Security
Cooperation Programs

Presented by
Mr. John F. Daniele
Chief, Defense Exports
and
Security Cooperation



Leading 21st Century
Simulation Solutions

Transforming Security Cooperation into an “Objective Force”

Replace the Concept of Broad Based Theater Engagement with Focused Security Cooperation.

For FY03 and Beyond . . .

The Goal is Not Cooperation for its Own Sake, but to Focus Security Cooperation where it Most Effectively Serves US Interests.

The Security Cooperation Community has an Important Role in Ensuring Key Allies Transform their Militaries to Operate with US Forces.

We Must Make Our “Up-Front” Activities More Consistent with US National Security and Foreign Policy Objectives.

-FY02-07 DSCA Planning Guidance



A New Focus . . .

- **First, Protect U.S. Warfighters**
- **Influence and Access**
- **Building Coalitions**
- **Interoperability in every sense**

Objective:

PEO-STRI Strategic Product Plan intended to identify 3-4 Security Cooperation opportunities for proactive pre-LOR activities:

- SPP = “which products/services to which countries” best support National, Combatant Commander and Army Security Cooperation objectives
- Incremental opportunities, over and above forecasted product/service exports
- Proactive approach assists strategic countries and accelerates LOR process
- Focuses PEO-STRI Security Cooperation resources on highest priority countries and products



SPP Framework

- ID's critical country + product/service combinations
- Forms Basis for further considerations
- Must be realistic country/product combinations



		Products	Aerial Target Flight Services	Aviation Combined Arms Tactical Trainer	Aerial Target Systems	Close Combat Tactical Trainer	Corps Battle Simulation	Engagement Skills Trainer 2000	MILES XXI	One Semi Automated Force	Advanced Gunnery Training System	Training Support Services	Digital Battle Staff Trainer	One Tactical Engagement Simulation System	Brigade/Battalion Battle Simulation	Combat Maneuver Training Center Instrumentation System
Country	Tier SUMS		4	4	4	4	4	4	4	4	3	3	3	3	2	2
Turkey	16															
Poland	15															
Czech Republic	14															
Colombia	13															
Germany	13															
Romania	12															
Ukraine	12															
United Kingdom	12															
Egypt	12															
Greece	12															
Norway	12															
Canada	11															
Japan	11															
France	11															
Italy	11															
Netherlands	11															
Bulgaria	10															
Georgia	10															
Hungary	10															
Jordan	10															
Slovak Republic	10															
Australia	10															
Belgium	10															
Denmark	10															
Israel	10															
Korea (Seoul)	10															
Portugal	10															
Russia	10															
Spain	10															
Albania	9															
Estonia	9															
Latvia	9															
Lithuania	9															

Most Strategic Area